TABLE 5

Federally financed R&D expenditures at federally funded research and development centers, by federal agency and FFRDC: FY 2020 (Dollars in thousands)

FFRDC	All federal R&D expenditures	DOD	DOE	HHS	DHS	DOT	NASA	NSF	Other
University-administered FFRDCs	6,867,741	1,146,449	2,507,594	33,981	102,238	36,470	2,664,578	312,015	64,416
Ames Laboratory	32,302	0	32,054	0	0	0	0	0	248
Argonne National Laboratory	840,237	28,017	757,376	5,822	25,344	4,191	269	2,797	16,421
Fermi National Accelerator Laboratory	299,811	596	299,211	0	0	0	4	0	С
Jet Propulsion Laboratory	2,638,412	0	0	0	0	0	2,638,412	0	C
Lawrence Berkeley National Laboratory	862,965	11,442	819,466	22,371	988	712	4,069	0	3,917
Lincoln Laboratory	1,093,081	1,013,282	2,521	0	29,798	26,271	6,769	0	14,440
National Center for Atmospheric Research	175,316	5,199	4,538	0	0	5,095	11,963	130,653	17,868
National Radio Astronomy Observatory	98,458	792	0	0	0	0	403	97,263	C
National Solar Observatory	16,472	0	0	0	0	0	1,013	15,459	C
NSF's National Optical-Infrared Astronomy Research Laboratory	69,685	5	4,020	0	0	0	354	65,306	(
Princeton Plasma Physics Laboratory	103,856	239	103,154	0	0	0	429	32	2
SLAC National Accelerator Laboratory	366,936	1,287	354,786	4,887	1,313	0	851	505	3,307
Software Engineering Institute	141,291	85,590	1,549	901	44,795	201	42	0	8,213
Thomas Jefferson National Accelerator Facility	128,919	0	128,919	0	0	0	0	0	C
Nonprofit-administered FFRDCs	7,279,066	2,607,028	3,185,610	265,001	309,570	170,090	113,523	7,740	620,504
Aerospace Federally Funded Research and Development Center	1,109,291	985,741	13,750	0	3,799	1,017	66,310	800	37,874
Arroyo Center	35,248	35,248	0	0	0	0	0	0	C
Brookhaven National Laboratory	569,925	1,350	541,285	4,550	1,083	0	7,901	10	13,746
Center for Advanced Aviation System Development	163,497	0	0	0	0	163,057	0	0	440
Center for Communications and Computing	67,072	67,072	0	0	0	0	0	0	(
Center for Enterprise Modernization	190,408	0	170	0	0	0	436	0	189,802
Center for Naval Analyses	95,874	95,874	0	0	0	0	0	0	(
Center for Nuclear Waste Regulatory Analyses	6,359	73	220	0	0	118	13	0	5,935
CMS Alliance to Modernize Healthcare	228,162	0	0	228,162	0	0	0	0	C
Homeland Security Operational Analysis Center	44,736	0	0	0	44,736	0	0	0	(
Homeland Security Systems Engineering and Development Institute	135,713	0	0	0	135,713	0	0	0	(
Judiciary Engineering and Modernization Center	6,708	0	0	0	0	0	0	0	6,708
National Biodefense Analysis and Countermeasures Center	42,330	1	0	994	27,453	0	0	0	13,882
National Cybersecurity Center of Excellence	23,557	0	0	0	0	0	0	0	23,557

TABLE 5

Federally financed R&D expenditures at federally funded research and development centers, by federal agency and FFRDC: FY 2020 (Dollars in thousands)

FFRDC	All federal R&D expenditures	DOD	DOE	HHS	DHS	DOT	NASA	NSF	Other
National Defense Research Institute	64,134	63,146	0	0	0	0	0	0	988
National Renewable Energy Laboratory	456,336	10,981	433,693	0	566	1,144	241	0	9,711
National Security Engineering Center	1,142,013	956,089	125	0	1	0	60	0	185,738
Oak Ridge National Laboratory	1,616,580	39,467	1,416,854	7,772	13,453	4,754	36,793	0	97,487
Pacific Northwest National Laboratory	1,053,982	151,764	779,373	22,473	70,817	0	1,336	790	27,429
Project Air Force	46,936	46,936	0	0	0	0	0	0	0
Science and Technology Policy Institute	9,256	512	140	1,050	0	0	422	6,140	992
Systems and Analyses Center	170,949	152,774	0	0	11,949	0	11	0	6,215
Industry-administered FFRDCs	8,986,694	1,383,175	6,455,136	759,797	97,910	2,184	68,765	0	219,727
Frederick National Laboratory for Cancer Research	745,726	183	0	745,542	0	0	0	0	1
Idaho National Laboratory	481,146	72,246	373,335	0	8,717	295	7,740	0	18,813
Lawrence Livermore National Laboratory	1,526,467	281,065	1,205,937	6,831	25,012	0	2,067	0	5,555
Los Alamos National Laboratory	2,701,388	74,913	2,464,879	6,387	5,935	0	57,995	0	91,279
Sandia National Laboratories	3,358,481	930,661	2,264,166	1,037	55,705	1,889	963	0	104,060
Savannah River National Laboratory	173,486	24,107	146,819	0	2,541	0	0	0	19

DHS = Department of Homeland Security; DOD = Department of Defense; DOE = Department of Energy; DOT = Department of Transportation; FFRDC = federally funded research and development center; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation.

## Source(s):

National Center for Science and Engineering Statistics, FFRDC Research and Development Survey, FY 2020.